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490 7590 06/24/2005

VIDAS, ARRETT & STEINKRAUS, P.A.
6109 BLUE CIRCLE DRIVE
SUITE 2000
MINNETONKA, MN 55343-9185

09/22/2005 TBESHAN2 00000032 220350 10643239

01 FC:1501 1400.00 DA
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Robin Peddieson (Depositor's name)
Robin Peddieson (Signature)
September 21, 2005 (Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/643.239	08/18/2003	Ig Saeng Kim	S40.2B-11278-US01	3289

TITLE OF INVENTION: HEAT DRIVEN ACOUSTIC ORIFICE TYPE PULSE TUBE CRYOCOOLER

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1400	\$300	\$1700	09/26/2005
EXAMINER		ART UNIT	CLASS-SUBCLASS		
DOERRLER, WILLIAM CHARLES		3744	062-006000		

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
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- (1) the names of up to 3 registered patent attorneys or agents OR, alternatively,
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Vidas, Arrett & Steinkraus PA

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

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(A) NAME OF ASSIGNEE

LS CABLE LTD

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Seoul 150-010 Korea

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☐ Corporation or other private group entity ☐ Government

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5. Change in Entity Status (from status indicated above)

- ☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. ☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

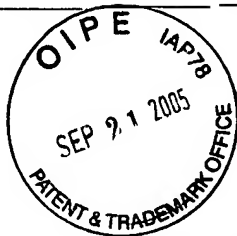
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Authorized Signature *Scott Q. Vidas*
Typed or printed name Scott Q. Vidas

Date September 21, 2005
Registration No. 30812

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:	Ig Saeng KIM, Chun Dong KIM, Chang Ho LEE, Kyun Seok KIM, Do Hyung KIM
Application No.:	10/643239
Filed:	August 18, 2003
For:	HEAT DRIVEN ACOUSTIC ORIFICE TYPE PULSE TUBE CRYOCOOLER
Examiner:	Not Known
Group Art Unit:	3743

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Commissioner for Patents
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Docket No.: S40.2-11278-US01

FACSIMILE TRANSMITTAL LETTER

TO: DATE: September 21, 2005
FACSIMILE NO.: 571-273-2885 TIME: 4:45 P.M.
GROUP ART UNIT: 3743
TOTAL NUMBER OF PAGES (including cover letter): 3

In addition to this 1 page Facsimile Transmittal Letter, following please find
Part B - Fee Transmittal in duplicate.

Please charge the Issue Fee of \$1,400.00 and Publication fee of \$300.00 to
Deposit Account No. 22-0350. To the extent that any petition is required to consider this
communication, please treat this as such a petition.

Respectfully Submitted,

VIDAS, ARRETT & STEINKRAUS, P.A.

Date: September 21, 2005

By: 

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Robin Peddieson